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1832. *Dec.* 7. (Present, 22. Duponceau in the Chair.)

Committee on A. D. Bache's paper (diurnal variation), reported it for publication.

Committee on Say's paper on insects reported it for publication.

Committee on Dixey's letter for its partial publication; so ordered.

Donations from five sources. A MS. Chart of the coasts of Cuba was presented by J. J. Martinez, who had surveyed it in 1830.

J. Francis Fisher's request to describe the Society's American medals was granted.

1832. *Dec.* 21. (Present, 15.)

Committee on Hopkinson's paper (Nov. 2) reported it for publication.

Donations from six persons.

An easy way of replacing the prolapsed umbilical cord was described by Dr. Meigs.

1833. *Jan'y* 4. (Present, 18. Duponceau in the Chair.)

Annual election of officers reported.

ELECTION OF OFFICERS.

President—Duponceau.

Vice-Presidents—Chapman, Judge Hopkinson, Ord.

Secretaries—F. Bache, Kane, A. D. Bache, Meigs.

Curators—Wetherill, Griffith, Lea.

Councillors for three years—W. Short, , C. C. Biddle.

Committee on accounts reported: Balance on account of Rittenhouse Fund, $270.37; Magellanic Fund, $1098.32; Extra Magellanic Fund, $313.57.

The Cuvier Statue Committee reported that they had collected the sum of 11,000 (so written, but corrected in lead pencil to 1000) francs, "which they present to the society to be transmitted to the President of the French Academy."

Donations were received from three societies and seven persons.

Mr. Vaughan read a letter from Mr. Nagy, giving an account of the Hungarian Academy. The President was requested to reply reciprocating offers of intercourse. Transactions American Philosophical Society to be sent to the Hungarian Academy.

1833. *Jan'y* 18. (Present, 32. Duponceau in the Chair.)

The President reported that he had written to Mr. Nagy.

Donations received from Dr. Pancoast.

Society of Antiquaries acknowledged receipt of Transactions IV, Part 2.

Standing Committees:

Finance—C. C. Biddle, Vaux, Moore, Ord.

Building—Strickland, Vaughan, Kane.

Publication—F. Bache, Lea, Griffiths.

Librarian elected—Vaughan.

Denon's Egypt procured by Mr. Vaughan, to be purchased from him.

Special vote of thanks to Mr. Vaughan "for the pains he had taken in relation to Denon's Egypt."

New members elected: Prof. Bujalsky, of St. Petersburg; Marmaduke Burrough, M.D., of Philadelphia; M. W. Baldwin, of Philadelphia; Edwin James, M.D., of Albany; Moncure Robinson, of Virginia.

1833. *Feb'y* 1. (Present, 22. Duponceau in the Chair; Baldwin, &c.)

Donations from six persons.

Letters from the Bath Society and Royal Irish Academy.

Nagy's letter respecting telescopes made by Ploeffel, of Vienna.

Prof. Bache showed that Brewster's observations on the apparent conversion of cameos into intaglios, and *vice versa* had been anticipated by Rittenhouse in 1780; see Transactions American Philosophical Society, Vol. II, O. S.

Letter received from M. Dantes, of Lisbon.

Committee to examine Lea's paper on Naiades (March 16, 1832): Nicklin, Bache, Pickering.

1833. *Feb'y* 15. (Present, 8. Nicklin in the Chair; F. Bache, Meigs, Vaughan, Hayes, McEwen, Pickering, H. Bache.)

Donations from one society and four persons.

Moncure Robinson made acknowledgments for his election.

Dr. Beaumont's experiments on Digestion in the case of an individual with a fistulous opening of the stomach, described in a letter from Dr. Dunglison to Dr. Hays, was communicated verbally.

1833. *March* 1. (Present, 9. Duponceau in the Chair.)

Donations from the Royal Society of Edinburgh and five persons.

Mr. James's letter of thanks for election was read.

Acknowledgment and envoy from the London Zoölogical Society.

Dr. Dunglison's letter to Dr. Hays was read; the subject was a Canadian, Alexis San Martin, wounded in the stomach in 1822.

"On the numbers and education of the Blind in Europe and the U. S.," in a letter from Dr. Howe, of Boston, was read by Mr. Vaughan.

1833. *March* 15. (Present, 15. Judge Hopkinson in the Chair.)

Committee on Mastodon Casts reported that satisfactory moulds had been made. Six sets of casts authorized.

Donations of books from two societies and two persons.

Librarian authorized to subscribe for Les Annales des Sciences Naturelles from last January, the price of a complete set to be inquired about.

1833. *April* 5. (Present, 23. Duponceau in the Chair.)

Committee on Nichols's Observations on the solar system recommended it to be filed away in the archives.

Committee on a Revision of the Laws promised to report at the next meeting.

Donations from four sources and letters from three societies.

"The Secretary of the R. Soc. in behalf of the Duke of Sussex acknowledged the honor done him by his election to membership."

Resolution of Dr. Mease that as the Agricultural Society had ceased to meet, it be in future exempt from rent by the American Philosophical Society was referred to the Hall Committee.

Ordered: "That the following words be added to the annunciation of the next meeting: And that the Chair will be taken at that hour."

Dr. Mease was allowed to withdraw for a time his "Account of Manilla" from the hands of the committee.

1833. *April* 19. (Present, 38. Duponceau in the Chair.)

Committee on Mr. Lea's paper and supplement reported it for publication.

Committee to Revise the Laws made a final report: The Laws and Regulations were read; laid on the table to be considered at the next meeting, and ordered to be printed meanwhile for the use of the members; by a Committee: Lea and Nicklin.

Committee on Mease's resolution respecting the Agricultural Society (April 5) reported it inexpedient at present. Committee discharged.

Donations from three societies and four persons.

New members elected: M. I. Labouderie, &c., of Paris; M. Charles Nagy, of Pesth, Hungary; Jacob Randolph, M.D., of Philadelphia; Joshua Francis Fisher, of Philadelphia;

Gouverneur Emerson, M. D., of Philadelphia; Henry C. Carey, Philadelphia.

1833. *May* 3. (Present, 36. DuPonceau in the Chair; Fisher, Emerson, Carey, introduced.)

Committee to print the project of proposed By-Laws reported that copies had been distributed to all the members.

Dr. Randolph's letter of thanks for membership was read.

Royal Irish Academy acknowledged receipt of Transactions, Vol. IV, Part 2.

Donations of books from seven persons.

Mr. Nicholls was permitted to withdraw from the archives his paper on the Solar system.

Resolved, That the proposed By-Laws be read by sections.

Chapter I, Sec. 1. Mr. Keating's amendment was 1st: To strike out all after the second line, and insert the words: '*of whom not more than* 100 *shall at the time of their election be foreigners, non-residents of the United States.*" Dr. Hare's amendment "*to strike out the first section*" was lost.

Dr. Bache's amendment to strike out all after "than," and insert "*of whom not more than* 100," *&c.*, as above, was carried.

Adjourned to a special meeting on Wednesday next.

1833. *May* 8. (Present, 31. *Special Meeting.* Duponceau in the Chair.)

The President gave opinion that Section 1 required a vote upon it as a whole, and that a two-thirds vote was necessary.

Mr. Nicklin's amendment "to strike out all after '50'" was lost.

Dr. Hare's resolution to strike out the whole of the first Section with a view to propose a certain amendment in the fifth section was lost. Then his motion to adopt the first section, as proposed by him at the last meeting, was lost.

Dr. Meigs' motion, That the Committee's draft should

be considered "each article in succession, and after amending, striking out, or adopting each section by a two-thirds vote, the question be taken on the whole draft," was lost. Adjourned.

1833. *May* 17. (Present, 27. DuPonceau in the Chair.)

Donations from fifteen sources.

Prof. Bache's note to be attached to his paper on Diurnal Variation, was referred to the same Committee.

Mr. Kane's Order of Business adopted:

1. The Draft of Laws shall be considered by sections; 2. A section being under consideration, it shall be in order to move that it be amended, stricken out, committed, or that the consideration thereof be postponed; 3. And such motions shall be decided by the votes of a majority of the members present; 4. The section having been considered, a question shall be propounded by the Chair, as follows: Shall this section stand as part of the proposed chapter; 5. And this question shall require a vote of two-thirds of the members present; 6. All the sections of a chapter having been gone through, new sections may be proposed by any member; 7. And such proposed new sections shall then be considered as if they were part of the original draft; 8. The Chair shall then propound the question on the whole chapter as follows: Shall this chapter form part of the proposed laws; 9. And this question shall acquire for its affirmative decision a vote of two-thirds of the members present.

Dr. Hays' Amendment was lost (to strike out all after "fifty," and insert "of whom not more than 100," &c., May 3).

Mr. Kane's Amendment to strike out the first section and all the second section after the word "only" in the second line, and insert "at the time of electing the officers on the first Friday of January in year" [*sic*], amended by Dr. Bache's substitute of "at the stated meeting" for "at the time of electing officers," was adopted.

The question then being, shall the first section be struck out, and the second section thus amended be adopted, was decided by an unanimous vote in the affirmative; also the third, fourth and fifth sections with verbal amendments; also the sixth section by striking all after the word "candidates;" also the seventh section after incorporating it with

the sixth; also the eighth section after striking references to Section 1; also the ninth after striking all after the word "shall" in the fourth line, and substituting "have been disposed of;" Sections 10 and 11, unanimously struck out; Section 12 unanimously adopted; Section 13 was amended by inserting after "shall," "be presented to the presiding officers and then;" Section 14 and 15 adopted; Section 16 postponed; Section 17 amended by substituting "may" for "shall" in the second line, and "an" for "a brief," was adopted by a two-thirds vote; Section 18, amended by striking all after "members" in the fourth line, was adopted by a two-thirds vote. Adjourned to the following Friday; notice of the continuance of the order of business to be given.

1833. *May* 24. *Special Meeting.* (Present, 25. DuPonceau in the Chair.

The 16th [*sic*] Section being under consideration, was amended by substituting "class themselves" for "be classed" in the second line, by inserting, "2. A committee of Mechanical and Physical science. 3. A committee on "Natural History" instead of "Natural Sciences." "4. A committee on Medical and Surgical Science," and some verbal alterations; unanimously adopted.

Dr. Mease's additional Section to Chapter I, "Such foreign members as shall omit for three successive years to communicate with the Society by letter, memoir, or the presentation of some work, shall cease to be members thereof," was lost.

Chapter I was then as a whole unanimously adopted.

Chapter II with eight Sections (Section 3 verbally amended), adopted.

Chapters III, IV, V, VI, were considered, first sectionally, then wholly, and unanimously adopted without amendment.

Chapter VII: Title of Section 1 amended by introducing the words "Officers and." Section amended by striking out

"counsellors and other officers forming the council of the society," and inserting "officers and council;" and by substituting for "hold stated meetings," the words "statedly meet together." Sections 3, 4, 5, were verbally corrected, and the whole Chapter unanimously adopted.

Chapter VIII, Sections 1, 2, 3, 4, 5, 7 and 8 were adopted; Section 6 being transferred to Chapter VI, as pertaining to the duties of the Treasurer.

Adjourned to the following Friday to continue the business.

1833. *May* 31. *Special Meeting.* (Present, 21. DuPonceau in the Chair.)

Chapter IX, Section 1, amended by striking out "at six o'clock in the evening," and inserting after "seven o'clock" in the fifth line "in the evening;" Section 5 by substituting "11" for "10" in the first line, and "10" for "9" in the second line; Sections 2, 3, 4, 6, adopted, and then the whole Chapter unanimously.

Chapter X, Section 1, adopted; Section 2 amended by striking out the second paragraph; in place of which a new section (proposed by Dr. Hays) was adopted: "But if the author do not approve of the corrections, abstract, or extracts reported by the Committee, he shall be at liberty to withdraw his paper; Section 4 adopted; Section 5 postponed to consider Prof. Bache's substitute; which being divided, its first paragraph was adopted: "The order in which papers are read before the Society shall determine their places in the Transactions, priority of date giving priority of location;" Section 6 struck out unanimously; Section 7 adopted; Section 8 amended (by Kane and Delancey): "Immediately after the meeting on the first Friday of January, a list of communications and donations made to the Society within the year, with the name of the Authors or Donors, and a catalogue of the officers and members shall be published in some of the newspapers or periodical journals of Philadelphia; and a similar list shall also

be inserted in the Appendix to the Transactions." The whole Chapter thus amended was then adopted.

Chapter II, Sections 1, 2, 3, 4, 5, 6, 8 and 9, adopted; 7 amended by inserting "unless otherwise directed" after "chosen" in the first line; 10 amended by striking out "all" at the end of the first line; Section 11 amended and adopted, reading "The names of the committees, the time of their appointment, the matter of business committed to them, the time at which they are to report and the time at which the final report is presented, shall be entered by the secretaries in a book to be provided for that purpose."

Chapter XII was adopted, and the business adjourned again for another week.

1833. *June* 7. *Adjourned Meeting.* (Present, 23. Duponceau in the Chair.)

Chapter XIII, Sections 1, 2, 3, were adopted. For Section 4 the following was substituted: "The laws contained in the 13 foregoing chapters shall be in force from and after the 31st day of Dec. 1833; and" . . . . "ordinances heretofore made . . . . . except . . . . . Chapter 3 of the laws passed Feb. 3, 1769, entitled 'Officers and manner of their election,' are hereby repealed."

Resolved, That the laws as amended be engrossed for the final adoption of the Society at the next stated meeting. Com. of April 19 instructed to have them printed, A. D. Bache being added to it.

The Rules of Order were then considered by Sections, and the introductory clause and Sections 1, 2, 3, 4, 5, 6, 7, adopted unanimously. Section 8, Mr. Kane moved to amend to read: "No motion to reconsider a vote of the Society shall be in order unless the same be moved and seconded by members who were of the majority thereon, nor unless the same be presented at the meeting at which the first vote was taken," pending discussion adjourned.

1833. *June* 21. (Present, 20. DuPonceau in the Chair.)

Committee reported that copies of the Amended Laws had been distributed.

Donations of books from thirteen sources.

Donations to the Cabinet from Mr. Burroughs, of India, and J. Dwight, of Boston.

Dr. Hays's request to be permitted to draw a mastodon tooth for his memoir in the Transactions was granted.

Rules of Order postponed to take up the Engrossed By-Laws.

Engrossed By-Laws adopted unanimously without discussion.

Rules of Order than discussed: Mr. Kane's amendment was negatived, and the Section 8 adopted as originally reported; Section 9 was struck out; Sections 10, 11 and 12, were adopted; Section 13 was amended by striking out "if it can be done without any expense to the Society."

Committee on printing the laws were instructed to print 500 copies of the Laws, the compact of 1769, the "Fundamental laws,—and the charter of the laws;—with authority to make such changes in the phraseology not affecting the sense as they may consider necessary."

Treasurer authorized to give a copy of the Catalogue of the Library to Andover Seminary.

Committee of Publication reported in favor of printing an Index of the four Volumes of the Transactions. Power granted to the Committee.

1833. *July* 19. (Present, 19. DuPonceau in the Chair.)

Committee reported Laws and Appendix printed.

Donations from three sources. Letter from Quetelet read.

"Galvanic experiments on a Negro hung at Winchester, Va., by Dr. J. R. W. Dunbar, was read.

New members elected: Henry R. Schoolcraft; Viscount Santarem, and Titian R. Peale, of Philadelphia.

1833. *Aug.* 16. (Present, 15. Duponceau in the Chair; Dr. Peale introduced Del Rio.)

Committee on printing the laws reported finally and was discharged.

Donations from twelve sources. Letter from the Entomological Society, and another from the Geological Society of France.

1833. *Sept* 20. (Present, 17. Duponceau in the Chair.)

Donations from sixteen persons and four societies.

The Mithridate purchased of the Librarian of the Foreign Library Society by Mr. Vaughan was approved. Letter to the President from the *American Sentinel.* Letter from Mr. Darley, offering on certain conditions a Meteorological Journal. Letter of acknowledgment from the Zoölogical Society. Letter from M. Nicollet, of Paris, now in Georgia, recording his progress in scientific observations in the Southern States. Darby's papers deposited with Mr. Vaughan, were ordered to be returned with proper explanations.

1833. *Oct.* 4. (Present 14. Duponceau in the Chair.)

Donations from seven sources. Letter from H. R. Schoolcraft, acknowledging receipt of diploma of membership, and enclosing the required fee of admission.

Librarian authorized to distribute to Foreign Members the new Laws.

"Alphabet of Arithmetic," a printed document, with a letter, was referred to A. D. Bache and McEwen.

Sets of the Mastodon casts to be sent to the Paris Garden of Plants, and to the London Geological Society. The Curators were requested to report in relation to the distribution of Casts.

1833. *Oct.* 18. (Present, 25. DuPonceau in the Chair.)

Committee on the "Alphabet of Science" [*sic*], reported progress; ditto, the Committee on the business of distributing casts.

Donations of books from three persons and one society.

Drawings of Gigantic Fossil Plants found in Alabama, executed by Dr. W. H. Harrington, of Lagrange, with his letter of explanation, was presented for the Cabinet by Dr. J. K. Mitchell.

"On the Longitude of the Hall of the American Phil. Soc.," by Mr. Sears C. Walker, was referred to A. D. Bache, Bancker, H. Bache.

"On the Portughese Language," and "On the Money System of Portugal," by M. Torlade d'Azembuja, were referred to Duponceau, C. C. Biddle, Moore.

"Il viaggio alle Forche Caudine," by D. Dom. Morelli, was referred to Duponceau, Fischer, Vaughan.

An ear of corn, in which each grain was separate as in the other cerealia, was presented by D. B. Smith and referred to Dr. Pickering.

A new apparatus for decomposing water and giving shocks (magneto-electric), by Mr. Saxton, now in London, was verbally described by A. D. Bache.

Committee appointed to examine, arrange, and report a schedule of the Historical MSS. now in the possession of the Society; and what disposition should be made of them: Vaux, Fischer, Tanner.

Dr. Hare expressed his views on Boiler explosions, advocating the placing the boilers on the outside guards of Steamboats.

New Members elected: Franklin Peale, Sam. V. Merrick, Henry J. Williams, all of Philadelphia.

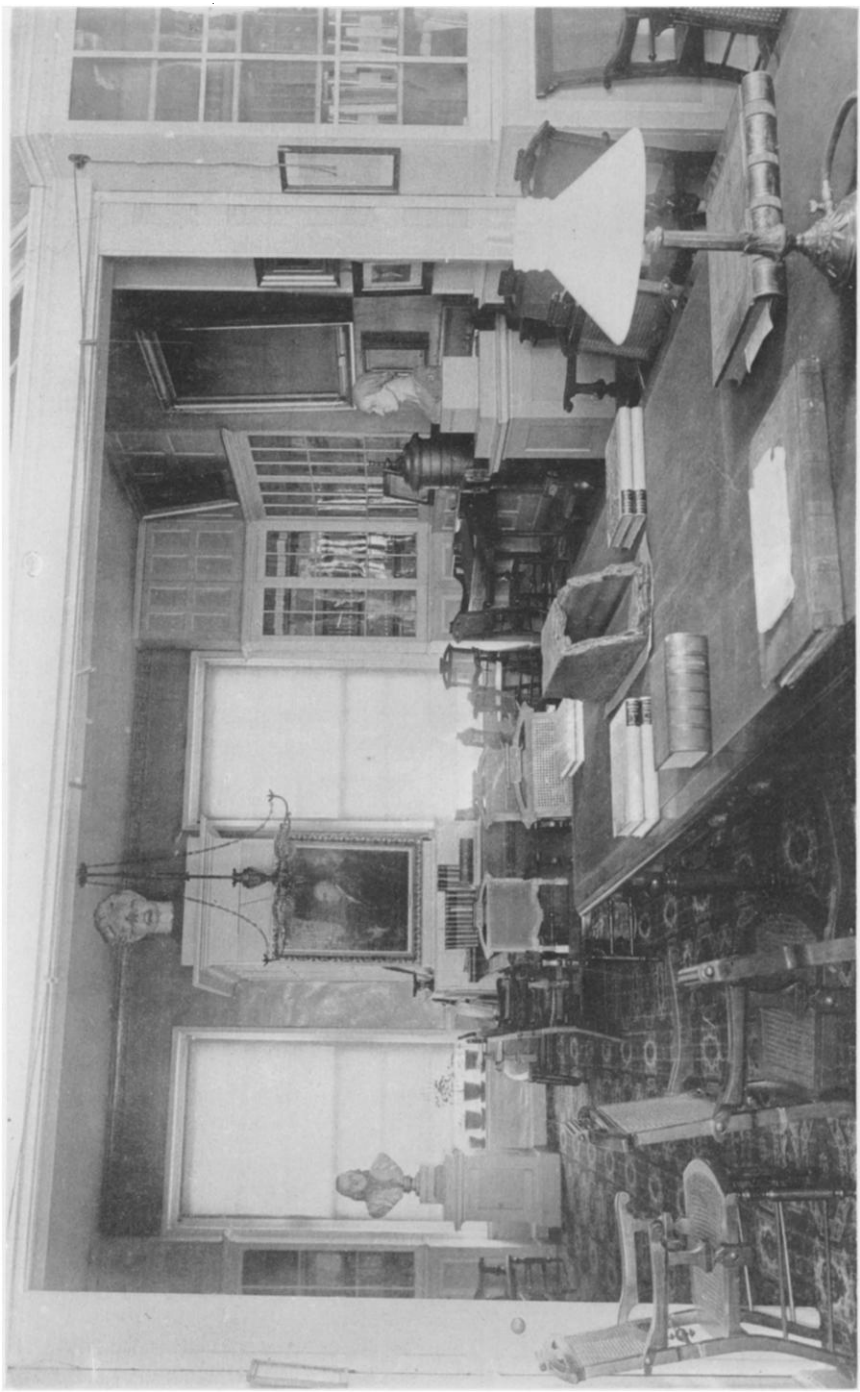
1833. *Nov.* 1. (Present, 25. Duponceau in the Chair.)

Committee on Walker's paper reported in favor of its publication.

Donations from six persons and one society.

Curators reported a set of casts sent to London Geological Society by Mr. Nicklin.

Cuvier's Monument: Duponceau's letter to the Royal In-



MEETING ROOM. AMERICAN PHILOSOPHICAL SOCIETY. EAST VIEW.

HELIOTYPE PRINTING CO., BOSTON.

stitute of France, and the reply acknowledging the receipt of 1000 frs., were read.

"On Vermiculite," by Prof. Del Rio was referred to A. D. Bache, McEwen, Keating.

Mr. Lea read three papers not intended for publication: 1. "On the Tufaceous Lacustrine Formation of Syracuse, N. Y." 2. "On six new species of fossil shells from the Tertiary of Maryland and New Jersey." 3. "On a new genus of the family Spherulacea from the Cretaceous deposits of Timber creek in New Jersey."

Fire-proof Building: Mr. Duponceau communicated the fact that a meeting of gentlemen from different bodies had been held this day to consider the expediency of erecting a fire-proof building to accommodate the several bodies, and suggested the expediency of appointing a committee to consider the subject; whereupon the Vice-Presidents and the Building Committee were appointed to confer.

Prof. Bache described an auroral disturbance of the needle.

Publication Committee were requested to enquire into the expediency of publishing the Transactions, at stated periods, and report, also, on the state of the Transactions.

1833. *Nov.* 15. (Present, 26. Duponceau in the Chair.)

M. Nagy's letter of thanks for membership contained also a description of a telescope made by Ploeffel, of Vienna.

Donations of books from seven sources, and for the Cabinet from M. Nagy.

Letter from Dr. Troost, of the University of Tennessee, on Shells in the Holstein river were read by Mr. Lea.

Letter from the Secretary of the Royal Society of London informing the American Philosophical Society of the establishment of two Gold Medals, worth 50 pounds each, to be awarded at each Anniversary meeting, for the most important discoveries in any one principal branch of Physical and Mathematical knowledge; and stating that the medals of 1836 would be awarded for . . . . unpublished papers in

Astronomy and Animal Physiology communicated between August, 1833, and June, 1836. Ordered, that the letter be printed in the Franklin Institute and Silliman's Journals.

Secretaries and Treasurer instructed to report a list of all persons who have been elected Members . . . . noting the date of election, whether or not they have paid their Initiation Fee, and signed the Constitution, and also those who have died or resigned.

Medal presented by M. Nagy, referred to the President to report.

A. Mulhom's request for the return of his paper on the Doctrine of Magnetism was granted.

List of non-reporting committees read by the Publication Committee.

Committee on Nicholl's paper on the Law of Proportion was discharged; also, Committee on Lovell's Meteorological Observations; also, Committee on Aldini's "Protection of Firemen."

1833. *Dec.* 6. (Present, 20. Duponceau in the Chair; T. Peale introduced.)

Report of Publication Committee on resolution to publish Transactions at stated periods, was laid on the table.

Publication Committee reported its doings for the past year and the following resolutions, which were adopted:

1. $250 . . . . to assist in defraying the expenses of Vol. IV.
2. Librarian instructed to prepare a list of Subscribers . . . . paid, and in arrears . . . . future control and management of list to be exclusively in the hands of the committee.
3. Librarian to hand over the stock of Vols. I and II (N. S.), and pay over moneys received for them to the committee and any balance still due on account of payments made to him for the 3rd and 4th Vols.

Publication of obituary Notices of Dr. Collin and Mr. Collins: Resolution reconsidered and rescinded. President and Librarian requested to prepare short necrological notices of members deceased since the publication of Vol. IV, for

publication in the forthcoming volume. Committee appointed to enquire what necrological notices of members are in the archives, &c.: Vaux, Hays, Coates.

Donations from five sources.

1833. *Dec.* 20. (Present, 22. Duponceau in the Chair.)

Annual Appropriations: Building Committee, $39.31; Binding, $81.26; Journals, $102.18; General expenses, $4139.94—for 1833.

Finance Committee's report on the state of finances made and adopted.

Committee on Fire-proof Building for several institutions reported that they had held meetings and appointed Committees to ascertain what amounts the several institutions would pledge themselves for in subscriptions for stock for its execution. Committee instructed to report again.

Donations from three persons.

Letter from C. L. Bonaparte, with prospectus of his "Iconigrafia," &c.

Mr. Vaughan submitted a prospectus of a work on Mexican Antiquities.

1834. *Jan'y* 3. (Present, 30. Duponceau in the Chair; Merrick, Chapman, Bancker, Tanner, T. Peale, Meigs, Harlan, Hopkinson, Kane, A. D. Bache, Mr. Harris, Lukens, Pickering, Coates, Wetherill, Hays, C. C. Biddle, S. Lorich, Randolph, Emerson, Hembell, Lea, Vaughan, F. Bache, Fisher, Major Bache, McEwen, Strickland.)

Annual election of Officers reported as follows:

ELECTION OF OFFICERS.

President—Duponceau.

Vice-Presidents—Chapman, Hopkinson, Ord.

Secretaries—F. Bache, Kane, A. D. Bache, Meigs.

Councillors—N. Biddle, Delancey, T. Biddle, Mease.

Curators—Wetherill, Griffith, Lea.

Treasurer—Vaughan.